

CLAIMS

I claim:

1. A method for push launching applications with context on a mobile information device, the method comprising:

5 receiving on the mobile information device a push message that includes a URI;
launching a Java MIDlet on the mobile information device to handle the URI; and
passing the URI to the Java MIDlet.

2. The method of claim 1 further comprising a computer readable medium
10 having stored therein instructions for causing a processor to execute the steps of the
method.

3. The method of claim 1, further comprising:
determining a type of the URI; and
15 determining that the Java MIDlet is registered to handle the type of the URI.

4. The method of claim 1, further comprising:
determining a scheme of the URI; and
determining based on the scheme that the Java MIDlet is registered to handle the
20 URI.

5. The method of claim 1, further comprising:
determining a scheme of the URI and additional scheme specific information of
the URI; and

determining based on the scheme and the additional scheme specific information
5 that the Java MIDlet is registered to handle the URI.

6. The method of claim 5, wherein the scheme is "ams:" or "midlet:".

7. The method of claim 1, wherein the push message is received from a
10 universal message handler executing on the mobile information device.

8. The method of claim 1, wherein passing the URI to the Java MIDlet
passing the URI to the Java MIDlet via at least one of getMediaType(), getContentType(
, getMuglet(), getReferringURI() and getURI() object-oriented methods.

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9. The method of claim 1, wherein the Java MIDlet is a Java 2 Micro Edition
(J2ME) MIDlet.

10. The method of claim 1, wherein the push message is a WAP service
20 indication message or a WAP service loading message.

11. The method of claim 1, wherein the mobile information device is a mobile
phone, a personal digital assistant or a two-way pager.

12. A method for handling push messages, the method providing:
receiving on a mobile information device a push message that includes a URI;
associating the URI with a Java MIDlet in a MIDlet suite on the mobile
5 information device;
launching the Java MIDlet on the mobile information device; and
passing the URI to the Java MIDlet.

13. The method of claim 12 further comprising a computer readable medium
10 having stored therein instructions for causing a processor to execute the steps of the
method.

14. The method of claim 12, wherein the push message is a WAP Service
Indication message, and wherein launching the Java MIDlet on the mobile information
15 device comprising:
prompting a user of the mobile information device for permission to launch the
Java MIDlet;
receiving from the user permission to launch the Java MIDlet; and
thereafter launching the Java MIDlet.

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15. The method of claim 12, wherein passing the URI to the Java MIDlet
passing the URI to the Java MIDlet via at least one of getMediaType(), getContentType(
) , getMuglet(), getReferringURI() and getURI() object-oriented methods.

16. The method of claim 12, wherein the Java MIDlet is a Java 2 Micro Edition (J2ME) MIDlet.

5 17. The method of claim 12, wherein the mobile information device is a mobile phone, a personal digital assistant or a two-way pager.